

DERWENT- 1990-366484

ACC-NO:

DERWENT- 199733

WEEK:

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: New siloxane deriv, for cosmetic oil - comprises siloxane skeleton and hydrophilic alkyl skeleton with hydroxyl gp and ether oxygen

PATENT-ASSIGNEE: KAO CORP[KAOS]

PRIORITY-DATA: 1989JP-0088564 (April 7, 1989)

PATENT-FAMILY:

*Yano Shinji  
etal*

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 02265926	A October 30, 1990	N/A	000	N/A
JP 2631550	B2 July 16, 1997	N/A	015	C08G 077/18

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 02265926A	N/A	1989JP-0088564	April 7, 1989
JP 2631550B2	N/A	1989JP-0088564	April 7, 1989
JP 2631550B2	Previous Publ.	JP 2265926	N/A

INT-CL (IPC): A61K007/00, C08G071/18 , C08G077/18

ABSTRACTED-PUB-NO: JP 02265926A

BASIC-ABSTRACT:

New siloxane deriv. is of formula (I): substn. gp(s) among R1, R2 and R3 is of formula (II) or (III): (one of R5 and R6 is H, other is 6-30C linear, branched or cyclic alkyl, alkenyl or hydroxylalkyl.) R1, R2 and R3 other than above and R4 are each 1-4C alkyl; and m + n is 1-200.

ADVANTAGE - By having siloxane skeleton and hydrophilic alkyl skeleton contg. hydroxyl gp. and ether oxygen in same mol., siloxane deriv. has good texture originated from siloxane part and good skin-affinity originated from alkyl part.

In an example, by reacting allyl alcohol of 290g with hexylglycidylether 79g in presence of metal Na of 1.15g at 60 deg.C, 3-allyloxy-1-hexyloxy-2-propanol (AHP) of 99g was obtd. To mixt. of AHP of 28g, pentamethyldisiloxane of 14.8g, 10% ethanol soln. of potassium acetate 2ml and isopropanol 100 ml was added 2% isopropanol soln. of H<sub>2</sub>PtCl<sub>6</sub> 6H<sub>2</sub>O 1ml and agitated at 50 deg.C for 2 hrs. Crude prod. isolated was purified by flush column chromatography, so cpd. 1-(4,8-dioxa-6-hydroxytetradecyl)-1,1,3,3,3-pentamethyldisiloxane of formula (Ia) of 11.8g was obtd.

CHOSEN- Dwg.0/0  
DRAWING:

TITLE- NEW SILOXANE DERIVATIVE COSMETIC OIL COMPRISE SILOXANE  
TERMS: SKELETON HYDROPHILIC ALKYL SKELETON HYDROXYL GROUP ETHER  
OXYGEN

DERWENT-CLASS: A26 A96 D21 E11

CPI-CODES: A06-A00E3; A12-V04; D08-B; E05-E02B; E05-E02C;

CHEMICAL- Chemical Indexing M3 \*01\* Fragmentation Code B414 B514  
CODES: B711 B712 B713 B720 B743 B744 B831 B832 B833 G030 G031  
G032 G038 G039 G050 G060 G553 G563 G599 G730 G799 H4 H401  
H402 H403 H404 H405 H481 H482 H483 H484 H5 H561 H562 H563  
H581 H582 H583 H584 H721 H722 H723 H8 M210 M211 M212 M213  
M214 M216 M220 M221 M222 M223 M224 M225 M226 M231 M232  
M233 M240 M250 M272 M281 M282 M283 M311 M312 M313 M314  
M315 M316 M321 M322 M323 M331 M332 M333 M342 M343 M361  
M383 M391 M392 M393 M411 M510 M520 M530 M540 M541 M542  
M543 M710 M903 M904 Q254 R023 Markush Compounds 199049-  
D2601-N Registry Numbers 1327U 0502U

UNLINKED-DERWENT-REGISTRY-NUMBERS: ; 0820S ; 1080S ; 1998S ; 1998U

**POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:**

Key Serials: 0004 0202 0130 0226 0231 1306 2001 2014 2022 2049 2051  
2065 2197 2198 2202 2207 2511 3250 2761  
Multipunch 014 02& 038 04- 05- 07- 15& 19& 229 231 24- 250 263 278  
Codes: 279 282 31- 359 38- 475 52& 532 533 535 689 693 724 728